Work Orde Thursday, April				*829	990*							Page 1	
Item ID: Revision ID:	D350-689-0	23	A	Accept	*N900	040	100)*	Setup	Start	*N	S1*	
Item Name:	Energy Attent	uating Floor Provisions								Stop	*N	S2*	
Start Date: Required Date: Reference:	4/12/2012 4/24/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*	,	Cust Item I Customer:	D:							
Approvals:	Process Pla	nn:	Date:	Tooling: SPC (Y/N):		nte:			Run	Start Stop	*N *N	R1* R2*	
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Rej Qty		Reject Number	Insp. Stamp	
Draw Nbr	Rev	ision Nbr											_
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*100 *100* DC Document Control		DOCUMENT CONTRO Memo Photocopy b	oluefile and create labels per I	0.00 0.00 PPP D350-689-023 C	HG004 S (YU)	lay			-do	ML	J 17	2-4-2	4
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Packaging

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W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A:	Date: _	
		esolution:							
NCR:		\	WORK ORDE	ER NON-CONFORMA	ANCE (NCF	?)			
		Description of NC		Corrective Action Secti	on B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	& Secti	ion C	Chief Eng	QC Inspector
	<u> </u> 								
									1

Work Order ID 82990 *82990* Page 2 Thursday, April 12, 2012 11:16:07 AM D350-689-023 Accept Item ID: *N900040100* Setup Start **Revision ID:** Item Name: **Energy Attenuating Floor Provisions** *1* **Start Date:** 4/12/2012 Start Oty: 1.00 **Cust Item ID:** Required Date: 4/24/2012 Reg'd Oty: 1.00 **Customer:** Reference: Run Process Plan: Approvals: Date: Tooling: Date: Stop SPC (Y/N): Date: Date: Tool # Plan Reject Sequence ID/ Operation Set Up/ Tool ID Accept Reject Insp. Qty **Work Center ID** Description **Run Hours** Code Qty Number Stamp QC4-100% Inspect kits for completeness 120 VS KILLS OO.0 *120* Memo Quality Control 0.00 130 Packaging *120* 0.00 Packaging Memo Identify and pack for shipping as per PPP D350-689-023 Packaging Location: PPP Rev: 140 QC21- Final Inspection - Work Order Release 0.00 12/11/24 C) *140* QC 0.00 Memo Quality Control

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W/O:			V	VORK ORDER CHANC	SES				
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Dat	te Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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DATE	STEP	Description of NC			tion B		erification	Approval	Approval
DAIL	31.61	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da		Section C	Chief Eng	QC Inspector
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Picklist Print

Thursday, April 12, 2012 11:16:11 AM

Work Order ID: 82990

82990

Parent Item:

D350-689-023

D350-689-023

Parent Item Name: Energy Attenuating Floor Provisions

Start Date: 4/12/2012

Required Date: 4/24/2012

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A 08-12-23 new issue DD verified by:EC

IPP Rev:B

revise route seq DD 10.02.12 vrified byJLM

IPP Rev:C chg003 DD

11.09.28 verified by:JLM

IPP Rev:D 12.01.12 now @

CHG004 (ecn12-501) DD VERF:EC

		1000. (00	.,											
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Status Issued	i -
	^{D4575-1} *D4575-1*		Manufactured	No			110	Each	5.0000	1 **	1		Z Qz	5 y C
	Beam				<u>Location</u>		Loc	<u>Oty</u>	Loc Code	antonina				
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<u> </u>	*D4575-3 *D4575-3*		Manufactured	No			110	Each	7.0000	1 **	' 1	· 	_sp	
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_ /	*D3027-7 *D3027-7*		Manufactured	No			110	Each	25.0000	**	4	B	14/20	
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						70497 70582		25 3 22			3 L	- - 542 - 146		

Dart Aerospace Ltd

W/O:			V	VORK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			,						•
Part No	•	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DQ	A:	Date: _	
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NCR:		W	ORK OR	DER NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC			on B	Verifi	cation	Approval	Approval
	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		ion C	Chief Eng	QC Inspector
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W/O:			WO	RK ORDER CHANG				···	
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									•
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Part No	·	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Disposition	1:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	R)			
5.1		Description of NC		Corrective Action Section	on B	Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section		Chief Eng	QC Inspector
							,		
					1				

Thursday, April 12, 2012 11:16:11 AM

Work Order ID: 82990

D350-689-023

Parent Item:

Parent Item Name: Energy Attenuating Floor Provisions

82990

D350-689-023

Start Date: 4/12/2012

Required Date: 4/24/2012

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

110

2,431.000 Each

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NAS1149D0363.I

Location	Loc Qty	Loc Code	
ST298	2431		
117601	61		
118077	1		
118612	18		
119537	33		
120142	76		
120308	46		
120644	272		
121243	1924		JR 500

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:	Fault Cat	egory:	_ NCR: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Dispositi	on:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORE	DER NON-CONFORMA	NCE (NC	R)		***************************************	
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		tion C	Chief Eng	QC Inspector

IIN-D350-689 Page 24 of 25

4. WEIGHT AND BALANCE

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

		LA ⁻	TERAL	LONG	SITUDINAL
Installation	Weight	Arm	Moment	Arm	Moment
D350-689-011 Dual High Back Seat	27.6 lb	-18.2 in	-502 in-1b	60.7 in	1675 in-lb
Installation, Fwd Position	12.5 kg	-0.46 m	-5.8 m-kg	1.54 m	19.3 m-kg
D350-689-013 Floor Provisions Kit,	2.0 lb	-18.2 in	-36 in- i b	60.7 in	121 in-lb
Fwd Position	0.9 kg	-0.46 m	-0.4 m-kg	1.54 m	1.4 m-kg
D350-689-011 Dual High Back Seat	28.1 lb	-18.2 in	-511 in-lb	63.7 in	1790 in-lb
Installation, Aft Position	12.7 kg	-0.46 m	-5.8 m-kg	1.62 m	20.57 m-kg
D350-689-013 Floor Provisions Kit,	3.1 lb	-18.2 in	-56 in-lb	62.2 in	193 in-lb
Aft Position	1.4 kg	-0.46 m	-0.6 m-kg	1.58 m	2.2 m-kg
D350-689-015 Seat Modification Kit	1.0 lb	-17.2 in	-17 in-lb	60.7	61 in-lb
	0.5 kg	-0.44 m	-0.22 m-kg	1.54 m	0.77 m-kg
D350-689-017 Shoulder Harness,	4.4 lb	-18.2 in	-80.1 in-lb	60.7 in	267 in-lb
Fwd Position	2.00 kg	-0.46 m	-0.92 m-kg	1.54 m	3.08 m-kg
D350-689-017 Shoulder Harness, Aft	4.4 lb	-18.2 in	-80.1 in-lb	64.7 in	285 in-lb
Position	2.00 kg	-0.46 m	-0.92 m-kg	1.64 m	3.28 m-kg
D350-689-019 Control Guard, Fwd	0.5 lb	-9.0 in	-4.5 in-lb	60.7 in	30 in-lb
Position	0.23 kg	-0.23 m	-0.05 m-kg	1.54 m	0.35 m-kg
D350-689-019 Control Guard, Aft	0.5 lb	-9.0 in	-4.5 in-lb	64.7 in	32 in-lb
Position	0.23 kg	-0.23 m	-0.05 m-kg	1.64 m	0.38 m-kg
D350-689-021 Dual High Seat Back	29.2 lb	-18.2 in	-531 in-lb	60.7 in	1772 in-lb
Installation, LH Fwd Position	13.2 kg	-0.46 m	-6.1 m-kg	1.54 m	20.3 m-kg
D350-689-021 Dual High Seat Back	29.2 lb	-18.2 in	-531 in-lb	64.7 in	1889 in-lb
Installation, LH Aft Position	13.2 kg	-0.46 m	-6.1 m-kg	1.64 m	21.6 m-kg
D350-689-023 Energy Attenuating	2.5 lb	-18.2 in	-46 in-lb	62.2 in	156 in-lb
Floor Provisions Kit	1.1 kg	-0.46 m	-0.5 m-kg	1.58 m	1.7 m-kg

5. PARTS LIST

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
Х									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	Х								D350-689-013	FLOOR PROVISIONS KIT
		X	[D350-689-015	SEAT MODIFICATION KIT
			Х						D350-689-017	SHOULDER HARNESS KIT
				Х		/			D350-689-019	CONTROL GUARD KIT
					Х				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
		I .			1	Х			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							Х		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1	,		Х	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
			_							
							2	2	D3016-041	SEAT FRAME ASSEMBLY
							1	1	D3017-041	BACK FRAME ASSEMBLY
1					1				D3018-1	SEAT CUSHION
1					1				D3019-1	BACK CUSHION
					L		1	1	D3021-041	TUBE ASSEMBLY
							1	1	D3022-1	SEAT PAN
							1	1	D3023-1	BACK PANEL
							_3	3	D3024-1	SPACER
	1								D3025-1	BEAM

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Revision: **B**

Date: 11.07.22

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REFERENCE ONLY

IIN-D350-689

Page 25 of 25

<u> </u>										
Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
	1					1			D3026-1	CHANNEL
	1								D3027-1	CLIP
	1								D3027-3	CLIP
	1								D3027-5	CLIP
	4					4			D3027-7 ·	CLIP
							4		D3028-1	STUD
		2					2		D3029-1	SPRING
		2		1			2	<u> </u>	D3030-1	LOCK
							2	2	D3031-1	LOOP
	1								D3032-1	SPACER
	2	1			l				D3033-1	SEAT TRACK
	 	4							D3059-1	STUD
		4			 			 	D3060-1	BUSHING
		4	·						D3061-1	RADIUS BLOCK
	 			1	 	-			D3084-3	STRUT
	1	 	 	 ' -		 		 	D3234-1	DOUBLER
	1		 	 	-	1		-	D3234-3	DOUBLER
	2	 	 			<u> </u>	 -	 	D3234-5	SPACER
				 				2	D3808-041	SEAT RAIL ASSEMBLY
	 			 	 	 		4	D3809-1	SLIDING BLOCK
			 	 	 	71.			D3811-041	SEAT TRACK ASSEMBLY
	 	-	2	 	-	 			D4071-041	SHOULDER HARDNESS ASSY
	 	 		-	 	ļ		 	D4071-041	SHOULDER HARDINESS ASST
	 	 		 	ļ	 	3	 	AND 40A	DOLT.
	ļ		-				3	3	AN3-12A	BOLT
	 			1	-	-	ļ	ļ	AN4-12A	BOLT
	 	ļ	<u> </u>	1	<u> </u>	 		<u> </u>	AN4-20A	BOLT
		 	2	<u> </u>	 	<u></u>			AN5-4A	BOLT
	<u> </u>	ļ	ļ	ļ	ļ	ļ. <u>-</u>	40	40	MS20600AD4W2	RIVET
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	ļ	<u> </u>	ļ	ļ		9	17	17	MS21042L3	NUT (OR MS21042-3)
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	12	4	ļ	ļ	l	ļ			MS21059L3	NUTPLATE
				L	<u> </u>		4	4	MS24693-S272	SCREW
<u> </u>	2	1						ļ	MS24693-S273	SCREW
	<u> </u>							8	MS24694-S3	SCREW
		1				z 9		~	MS24694-S50-	SCREW
								4	MS24694-S148	SCREW
	6	3							MS27039-1-10	SCREW
							4	4	MS27039-1-17	SCREW
			1	1		T	6	6	MS27039-1-19	SCREW
	1					1	6	6	MS27039-4-21	SCREW
	6	3		1		1	17	17	NAS1149D0332J	WASHER (OR AN960JD10L)
		1	1	1		/ 9			NAS1149D0363J	WASHER (OR AN960JD10)
	1			8		1	T	1	NAS1149D0416J	WASHER (OR AN960JD416L)
	1	 		† <u> </u>	 "	 	6	6	NAS1149D0432J	WASHER (OR AN960JD416)
	 	 	4	 	 	 	 	۲Ť	NAS1149D0516J	WASHER (OR AN960JD516L)
	 	4	 	 	 	 	t	 	NAS1149D0563J	WASHER (OR AN960JD516)
		 	 	2	 	 	 	 	NAS43DD4-46N	SPACER
		.1			Щ	l .	<u> </u>	1	NA943DD4-46N	STAUER

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Revision: ${f B}$

Date: 11.07.22

4.0 PARTS LIST CHANGE

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689) 25.10 PARTS LIST (ICA-D350-689)

<u>IS:</u>

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
х									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X								D350-689-013	FLOOR PROVISIONS KIT
		Х				}			D350-689-015	SEAT MODIFICATION KIT
			Х						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
					x				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	х			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
		<u> </u>			1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	1		I		L		<u> </u>	L	D3026-1	CHANNEL (REMOVED FROM -023)
	1					<u> </u>			D3234-3	DOUBLER (REMOVED FROM -023)
						1			D4575-1	BEAM (REPLACES D3026-1 IN -023)
	<u> </u>	<u> </u>				1		I	D4575-3	DOUBLER (NEW IN -023)

WAS:

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X									D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	Х								D350-689-013	FLOOR PROVISIONS KIT
		Х							D350-689-015	SEAT MODIFICATION KIT
			Х			l			D350-689-017	SHOULDER HARNESS KIT
				Х					D350-689-019	CONTROL GUARD KIT
					х				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	х			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1							X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
					1			Х	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	1			L		c1			D3026-1	CHANNEL
	1					1	<u> </u>	I	D3234-3	DOUBLER

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

D. SHEPHERD (DE # 02)

DATE: ___ CERT. NO.: _ ISSUE NO.: _

11.12.23 SH02-33 1 DESIGN
DRAWN
CHECKED
MFG. APPR.
APPROVED
DE APPR.
DATE
11.12.22

DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

DRAWING NO. DSI 9588

REV. A SHEET 4 OF 4

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TITLE

SCALE SCALE

INSTALLATION CHANGE

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